

Cal/Ecotox

Exposure Factors for San Joaquin Antelope Squirrel (*Ammospermophilus nelsoni*)*

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| Endpoint Type | Endpoint Value | Error | Range | Units | Sex | Life Stage | Location | Note | Reference |
|---------------------------------|----------------|----------|---------------|-----------|-----|---------------------|---------------------|------|-----------|
| Body Weight - Mean | 154.5 | | 141.8 - 179.0 | g | F | Adult | CA | a | 1 |
| Dietary Composition | see citation | | | % | NR | Adult | Fresno; Merced; CA | b | 2 |
| Home Range | 11 | | | acres | NR | Adult | San Benito; CA | c | 3 |
| Home Range | 10.81 | 12.53 SD | 2.43 - 53.49 | ha | B | Both Adult and Juv. | San Luis Obispo; CA | d | 4 |
| Longevity | | | 5 - 6 | yr | NR | Adult | San Benito; CA | e | 3 |
| Population Density | | | 0.8 - 8.0 | #/ha | B | Both Adult and Juv. | San Luis Obispo; CA | f | 4 |
| Population Density | 1 | | | #/2 acres | NR | NR | CA | g | 1 |
| Time of Hatching or Parturition | Mar. | | | | NR | Neonate | San Benito; CA | h | 3 |
| Time of Mating/ Laying | review | | | | B | Both Adult and Juv. | | i | 5 |
| Time of Molt | review | | | | B | Both Adult and Juv. | | j | 5 |

Notes

- a N=3
- b figure of monthly % food types in stomach contents; N=NR; yr-round; Los Banos (elev., 200-500') and Mendota (elev., 400-500')
- c "normal" home range estimated as area enclosed by points of capture; N=240 squirrel trapped; Panoche (elev., 1200')
- d minimum convex polygon estimate, corrected for sample size bias, based on radiotelemetry and mark-release trapping; N=15; Elkhorn Plain Ecological Reserve; also reported as 14.4 ha using the 95% ellipse method
- e maximum observed age; N=NR; Panoche (elev., 1200')
- f N=NR; Elkhorn Plain Ecological Reserve
- g N=NR
- h N=NR; Panoche (elev., 1200')
- i N=NR
- j N=NR

References

- 1 Grinnell, J. and J.S. Dixon. 1918. Natural history of the ground squirrels of California. Bull. Calif. State Comm. Hort. 7:597-708.
- 2 Hawbecker, Albert C. 1947. Food and moisture requirements of the Nelson antelope ground squirrel. J. Mammal. 28:115-125.
- 3 Hawbecker, Albert C. 1958. Survival and home range in the Nelson antelope ground squirrel. J. Mammal. 3:207-215.
- 4 Harris, John H. and Danielle M. Stearns. 1991. Population density, census methods, habitat relationships, and home range of the San Joaquin Antelope squirrel, 1988-1989. Sacramento, CA: California Department of Fish and Game, Nongame Bird and Mammal Section. Report 91-02 ed. 37 p.
- 5 Best, Troy L., Amy S. Titus, Cynthia L. Lewis and Katharine Caesar. 1990. *Ammospermophilus nelsoni*. Mamm. Species. 367:1-7.

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